

Title (en)
Flexible hose

Title (de)
Flexibler Schlauch

Title (fr)
Tuyau flexible

Publication
EP 2202436 A3 20130313 (DE)

Application
EP 09175734 A 20091112

Priority
DE 102008055552 A 20081219

Abstract (en)
[origin: EP2202436A2] The hose has an outer covering layer (7) made of elastomer material. Reinforcing layers (2) consist of flexible textile thread or textile twisted yarns (3, 5) wound around an inner layer (1) in a helical, alternating opposite manner. The reinforcing layers consist of a layer (4) of rigid monofilaments (6) in a distance from the textile thread or textile twisted yarns, where the rigid monofilaments are wound around the inner layer in a helical manner, and over the textile thread or textile twisted yarns. The monofilament consists of non-metallic material.

IPC 8 full level
F16L 11/08 (2006.01)

CPC (source: EP)
F16L 11/088 (2013.01)

Citation (search report)
• [XD] EP 0148100 A1 19850710 - GOODYEAR TIRE & RUBBER [US]
• [XAI] US 2008072985 A1 20080327 - BURROWES THOMAS GEORGE [US], et al
• [XAI] US 4706712 A 19871117 - OGLESBY DONALD L [US], et al
• [XAI] US 4276908 A 19810707 - HORNE SHEK C
• [XAI] WO 0022328 A2 20000420 - GATES CORP [US]

Cited by
EP3085527A1; CN116392745A; EP3405003A1; EP3482927A1; DE102017219803A1; WO2017092893A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2202436 A2 20100630; EP 2202436 A3 20130313; EP 2202436 B1 20150916; DE 102008055552 A1 20100701; PL 2202436 T3 20160229

DOCDB simple family (application)
EP 09175734 A 20091112; DE 102008055552 A 20081219; PL 09175734 T 20091112